CLAIMS

1. An information recording medium storing encrypted content, having a configuration in which

content and an entity code set for each entity in a manufacturing route of said information recording medium, and data included in a certain encryption processing unit is encrypted by a key generated on the basis of a seed providing encryption processing key generating information set for each said encryption processing unit and

said entity code is stored in an encrypted area which is encrypted by said key generated on the basis of said seed, said encrypted area not overlapping an area to which said seed is set.

2. The information recording medium according to claim 1, wherein said encryption processing unit is set as a collective data area of a plurality of packets and said seed is set as data having the predetermined number of bits from start data of a start packet of said encryption processing unit and

said entity code is stored as a payload of each of said plurality of packets and stored in a data area not overlapping an area of bits constituting said seed.

3. The information recording medium according to

claim 1, wherein said entity code is stored in a program map table (PMT) specified by the MPEG standard and said entity code provides data constituting a start packet of a plurality of divided packets storing said program map table (PMT) in a program information area of said program map table (PMT).

4. The information recording medium according to claim 3, wherein said start packet of said plurality of divided packets is a transport stream packet having a payload of 183 bytes and said entity code is stored as data within 183 bytes from start data of said program map table (PMT) in said program information area of said program map table (PMT).

5. The information recording medium according to claim 1, wherein said entity code is stored in a program map table (PMT) specified by the MPEG standard,

said program map table (PMT) is stored as a payload of each of a plurality of transport stream packets in a divided manner, and each of said plurality of transport stream packet is attached with timestamp information to be stored in said information recording medium as a source packet in a distributed manner.

6. The information recording medium according to claim 1, wherein said information recording medium

includes a first seed, which is key generating information set for each said encryption processing unit,

an encrypted second seed, which is key generating information encrypted on the basis of a first block key Kb1 generated by said first seed, and

encrypted content and an encrypted entity code encrypted on the basis of a second block key Kb2 generated on the basis of said second seed.

7. The information recording medium according to claim 1, wherein said entity code includes an authoring studio code (ASC) and a disc manufacturer code (DMC).

8. A data processing method for generating data to be written to an information recording medium, comprising:

an entity code setting step in which a position at which an entity code set for an entity in a manufacturing route of said information recording medium is set is controlled to set said entity code in a control information table;

a table information stored packet generating step in which a plurality of packets in which said control information table is stored in a divided manner are generated;

a step in which said plurality of table information

stored packets are arranged in a content stored packet

sequence in a distributed manner; and

a step in which data included in a certain

encryption processing unit is encrypted by use of a key

generated on the basis of a seed which is encryption

processing key generating information set for each said

encryption processing unit;

wherein said entity code setting step includes a

step in which control is executed such that said entity

code is included in an encrypted area encrypted by a key

generated on the basis of said seed without overlapping

an area to which said seed is set.

9. The data processing method according to claim 8,

wherein said encryption processing unit is a collective

data area of a plurality of packets, said seed is data

having the predetermined number of bits from start data

of a start packet of said encryption processing unit, and

said entity code setting step includes a step in

which said entity code is set to a data area which does

not overlap an area of bits constituting said seed.

10. The data processing method according to claim 8,

wherein, in said entity code setting step, said entity

code is set in a program information area of said program

map table (PMT) specified by the MPEG standard and to a

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position of data constituting a start packet of a plurality of divided packets storing said program map table (PMT).

11. The information processing method according to claim 10, wherein said start packet of said plurality of divided packets is a transport stream packet having a payload of 183 bytes and,

in said entity code setting step, said entity code is set as data said program information area of said program map table (PMT) and within 183 bytes from start data of said program map table (PMT).

12. A computer program for executing the processing of generating data to be written to an information recording medium, comprising:

an entity code setting step in which a position at which an entity code set for an entity in a manufacturing route of said information recording medium is set is controlled to set said entity code in a control information table;

a table information stored packet generating step in which a plurality of packets in which said control information table is stored in a divided manner are generated;

a step in which said plurality of table information

stored packets are arranged in a content stored packet
sequence in a distributed manner; and

a step in which data included in a certain
encryption processing unit is encrypted by use of a key
generated on the basis of a seed which is encryption
processing key generating information set for each said
encryption processing unit;

wherein said entity code setting step includes a
step in which control is executed such that said entity
code is included in an encrypted area encrypted by a key
generated on the basis of said seed without overlapping
an area to which said seed is set.